

## **Goals & Objectives for Critical Care Unit (CCU) Rotation**

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Location: Lahey Clinic

Type of Rotation: Elective

Length of Rotation: 4 weeks

### **Overview**

The critical care unit (CCU) rotation provides an excellent training opportunity for the TY Resident to acquire experience in the diagnosis and management of critically ill patients with cardiovascular diseases. Residents are exposed to a broad range of problems including acute coronary syndromes, congestive heart failure, arrhythmias, valvular heart disease, endocarditis, hypertensive crisis, cardiomyopathy, pericarditis, cor pulmonale, aortic dissection, aortic aneurysm and cardiac tamponade. The resident will also be exposed to a variety of invasive and noninvasive cardiac testing. The TY Resident will be working closely with their medical resident peers from Lahey Clinic under close supervision of the Cardiology attending and fellow.

### **Team Organization**

The CCU team consists of the Cardiology attending, a Pulmonary and Critical Care attending, a Cardiology fellow, Lahey PGY 3, Lahey PGY 2 and an intern. Other members of the health care team include a respiratory therapist, nutritionist, physical therapist and social worker.

### **Principal Teaching and Learning Activities**

- 1) Work Rounds: Monday/Tuesday/Wednesday, 8:30 am to 10:30 am Thursday/Friday, 9:00 am to 10:30 am
- 2) Attending Cardiology Teaching Rounds: Monday through Thursday, 11:00 am to noon
- 3) House-staff Critical Care Conference: Tuesday, 12:30 pm to 1:30 pm
- 4) Cardiology Didactic Conference: Thursday, 8:00 am to 9:00 am

### **Principle Educational Goals Based on the ACGME General Competencies**

In the tables below, the principle educational goals of the CCU curriculum are listed for each of the six ACGME competencies:

- 1) Patient Care
- 2) Medical Knowledge
- 3) Practice-Based Learning and Improvement
- 4) Interpersonal and Communication Skills
- 5) Professionalism
- 6) Systems-Based Practice

The abbreviations for the type of learning environment and evaluation method are defined below.

Learning Environments:

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DPC Direct patient care  
 RW Resident work rounds  
 ARD Attending rounds/didactics  
 HCC House staff critical care conference  
 CC Cardiology conference  
 DSP Directly supervised procedures  
 MC Mock codes  
 XRR X-ray rounds

Evaluation Methods:  
 ME Monthly evaluation  
 MCX Mini-Cex

## 1) Patient Care

Objective	Learning Environments	Evaluation Methods
Perform a comprehensive history and physical examination	DPC, RWR, ARD	ME, MCX
Formulate and carry out effective management plans	DPC, RWR, ARD, XRR, HCC, CC	ME
Clearly and succinctly document patient management in the medical record	RWR, ARD	ME
Competently perform invasive procedures (A-lines, central lines, nasogastric and feeding tubes)	DSP, HCC	ME

## 2) Medical Knowledge

Competently manage critically ill patients	DPC, RWR, ARD, HCC, CC	ME
Accurately interpret laboratory, ECG, chest X-ray, swan ganz data	DPC, RWR, ARD, HCC, CC	ME
Learn current cardiology literature and standard of care guidelines	RWR, ARD, HCC, CC	ME

## 3) Practice-Based Learning and Improvement

Objective	Learning Environments	Evaluation Methods
Identify deficiencies in knowledge base and develop independent reading program to address these gaps	DPC, RWR, ARD, HCCC, CC, MC, XRR	ME

Effectively perform a literature search to answer clinical questions	RWR, ARD	ME
Facilitate the learning of students and other health care providers	RWR, ARD, MC, XRRR	ME

#### 4) Interpersonal and Communication Skills

Objective	Learning Environments	Evaluation Methods
Communicate accurately and compassionately with patients and their families	DPC, RWR, ARD	ME, MCX
Clearly communicate sign out and transfer of care to other providers	DPC, RWR	ME
Professionally interact with entire health care team	DPC, RWR, ARD	ME

#### 5) Professionalism

Objective	Learning Environments	Evaluation Methods
Treat all patients, health care providers & hospital employees with respect and integrity	DPC, RWR, ARD	ME, MCX
Maintain patient confidentiality at all times	DPC, RWR, ARD	ME

#### 6) Systems-Based Practice

Objective	Learning Environments	Evaluation Methods
Demonstrate the ability to mobilize resources (nutritionists, consultants, etc) to optimize health delivery	RWR, ARD	ME

Demonstrate the ability to work as a member of a larger health care team	RWR, ARD	ME
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### Evaluations

TY Residents are formally evaluated by the Cardiology attending at the end of the rotation using Myevaluations.com.